



CRT ECD/OC Flammability Testing Report

Company: Personal Safety Corporation **CRT Number:** CRT08-0414

Address: Dick Olson
PO Box 128
Hiawatha, IA 52233

Report date: April 14, 2008

CRT Less Lethal Inc. conducted flammability testing with an Electronic Control Device (TASER®) and several types of Oleoresin Capsicum (OC) sprays in Seattle, Washington on December 8th, 2007. The testing was performed with a TASER® model X26 Electronic Control Device and followed the previously established CRT forensic testing protocol. The average temperature and humidity were recorded.

Probes from a Taser® XP 25 foot cartridge were attached to a forensic mannequin, which was constructed with a conductive layer, an insulating layer, and a standard cotton T-shirt. The probes were placed one foot apart on the torso in a typical distribution pattern. The top probe was placed in a fixture approximately 1/8" from the conductive layer to create a spark gap. The bottom probe pierced the conductive layer in direct contact.

Each OC spray sample was applied for approximately 3 seconds, at a distance of 3 feet, directly to the exposed spark gap. The TASER® was cycled for 10 seconds (two cycles) during and after the OC application. The TASER® was cycled after a 20 second delay for a minimum of two cycles.

Personal Safety Corporation (Splatter Stream), serial numbers 091711 (2 OZ.) and 082811 (4 OZ.) was tested during this testing session using the protocol described above.

PSC products tested **did not ignite** or create a significant heat differential when the TASER® was applied. Included with this report is the video and thermal imaging footage of the testing.

The CRT testing scenario was intentionally structured to be worst case, one most likely to produce ignition if the agent mixture was combustible. These results are not and cannot be all inclusive and applicable to every situation.

Chris Myers, Police Officer
Rick Wyant M.S., Forensic Scientist
Tom Burns, Police Officer
CRT Less Lethal, Inc

Critical Research and Training

PO Box 1214 Snohomish WA 98291

TEST SAMPLE: PSC (Personal Safety Corporation) Splatter Stream (2oz., 4oz.)

MANUFACTURER: Personal Safety Corporation



CRT TEST Protocol: Plastic upright mannequin constructed with conductive layer under insulating layer to simulate the conductivity of the human body.



CRT Less Lethal Inc.

Providing Capabilities and Limitations of Less-Lethal Systems Through Independent Scientific Testing and Practical Experience
www.CRTLessLethal.com



Covered in cotton T-shirt, TASER Probe set $\frac{1}{2}$ " from insulating layer, probes 1' apart



Spray applied 3 feet away while TASER cycled





Samples described on video and testing monitored with thermal imaging



Flammable formulas thoroughly documented with heat values recorded



The PSC splatter stream samples, serial numbers 091711, 082811, did not ignite nor did they produce any visible flame or significant heat changes on the thermal measuring equipment.

The CRT testing scenario was intentionally structured to be worst case, one most likely to produce ignition if the agent was combustible. These results are not and cannot be all inclusive and applicable to every situation.